

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	M. Soliman, et al)	
)	Art Unit: Unknown
Serial No.:	Unknown)	
)	
Filed:	Concurrently Herewith)	Examiner: Unknown
)	
For:	Methods and Systems for)	
	Using Wavelet Analysis)	
	In Subterranean)	
	Applications)	

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 6,347,283 issued 02/12/02 to Mohamed Soliman, et al;
U.S. Patent Number 6,067,046 issued 06/13/00 to Sriram Vasudevan, et al;
U.S. Patent Number 5,305,211 issued 04/19/94 to Mohamed Y. Soliman;
U.S. Patent Number 5,050,674 issued 09/24/91 to Mohamed Y. Soliman, et al;
U.S. Patent Number 6,585,044 issued 07/01/03 to Stephen Rester, et al; and
U.S. Patent Number 4,802,144 issued 01/31/89 to Gary R. Holzhausen, et al.

OTHER PRIOR ART

SPE 71571 "Application of Wavelet Transform to Analysis of Pressure Transient Data"
by M. Y. Soliman, et al;

SPE 71367 "Pump-in/Flowback Tests Reduce the Estimate of Horizontal in-Situ Stress
Significantly" by A. M. Raaen, et al;

SPE 14263 "Prediction of Formation Response From Fracture Pressure Behavior" by M.
W. Conway, et al;

SPE 8297 "Interpretation of Fracturing Pressures" by Kenneth G. Nolte, et al; and
U.S. Patent Application Serial No. 10/251,301, filed on 9/20/02 entitled "Fracture
Monitoring Using Pressure-Frequency Analysis" by Stanley V. Stephenson, et al.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,



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PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s): M. SOLIMAN, ET AL	
	Docket Number HES 2001-IP-005911U1	Group Art Unit	Filing Date November __, 2003

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	1	6,347,283	02/12/02	Soliman, et al.	702	6	07/10/00
	2	6,076,046	06/13/00	Vasudevan, et al.	702	12	07/24/98
	3	5,305,211	04/19/94	Soliman	364	422	07/30/91
	4	5,050,674	09/24/91	Soliman, et al.	166	250	10/09/90
	5	6,585,044	07/01/03	Rester, et al	166	250.01	04/25/01
	6	4,802,144	01/31/89	Holzhausen, et al	367	35	03/20/86

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	1	SPE 71571 "Application of Wavelet Transform to Analysis of Pressure Transient Data" by M. Y. Soliman, et al.	2001
	2	SPE 71367 "Pump-in/Flowback Tests Reduce the Estimate of Horizontal in-Situ Stress Significantly" by A. M. Raaen, et al.	2001
	3	SPE 14263 "Prediction of Formation Response From Fracture Pressure Behavior" by M. W. Conway, et al.	1985
	4	SPE 8297 "Interpretation of Fracturing Pressures" by Kenneth G. Nolte, et al.	September 1981
	5	U.S. Patent Application Serial No. 10/251,301, filed on 9/20/02 entitled "Fracture Monitoring Using Pressure-Frequency Analysis" by Stanley V. Stephenson, et al.	2002

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.